

*Amendments to the Claims*

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Claims 1-42 (cancelled).

43. (New) A system comprising:

A, an end-effector including a mounting plate and a reticle plate coupled to the mounting plate, the reticle plate having an axis of symmetry; and

a robot connector including a mounting bracket coupled at an angle with respect to the mounting plate and a connector configured to be coupled to a robot arm, whereby using the robotic arm the reticle plate can be rotated around the axis.

44. (New) The system of claim 43, wherein the reticle plate comprises:

a vacuum land; and

vacuum seals, wherein the vacuum lands and vacuum seals are configured to hold a reticle to the reticle plate.

45. (New) The system of claim 44, wherein the vacuum land comprises primary and secondary vacuum lands that operate at substantially a same time.

46. (New) The system of claim 44, wherein the vacuum land comprises primary and secondary vacuum lands that operate at alternative times to allow for redundancy of operation.

47. (New) The system of claim 43, further comprising:

a vacuum lock between the mounting plate and the reticle plate.

48. (New) The system of claim 43, wherein the reticle plate is configured to electrostatically hold a reticle.

X 49. (New) The system of claim 43, wherein the robotic connector further comprises a vacuum source configured to allow vacuum to the reticle place, such that a reticle is held to the reticle plate via the vacuum.

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